

IN THE CLAIMS

1-29. (canceled)

30. (new) In a communication device, a method comprising:

- determining a first protocol in use on a first communication pathway;
- configuring a first interface device coupled with the first communication pathway to operate in accordance with the first protocol;
- determining a second protocol in use on a second communication pathway;
- configuring a second interface device coupled with the second communication pathway to operate in accordance with the second protocol;
- adapting a data structure device to communicate with the first and second interfaces devices; and
- the interface devices accepting signals from the data structure device and converting the signals into the protocols used on the respective communication pathways.

31. (new) The method of claim 30 wherein a telephony network operates on the first communication pathway and a data network operates on the second communication pathway.

32. (new) The method of claim 31 wherein the telephony network is a PBX network and the data network is an Internet Protocol (IP) network.

33. (new) The method of claim 30 wherein the first and second interface devices are compatible with a plurality of protocols.

34. (new) The method of claim 30 wherein determining the first protocol comprises applying algorithms against a signal carried by the first communication pathway, comparing a result from applying the algorithms against the plurality of protocols, and selecting the first protocol based on comparing the result against the plurality of protocols.

35. (new) The method of claim 30 wherein determining the second protocol comprises applying algorithms against a signal carried by the second communication pathway, comparing a result from applying the algorithms against the plurality of protocols, and selecting the second protocol based on comparing the result against the plurality of protocols.

36. (new) The method of claim 30 wherein configuring the interface devices comprises configuring the interface devices to specific impedance, voltage and reception/transmission parameters to receive and transmit signals in the protocol used on the respective communication pathways.

37. (new) A communications device comprising:

a protocol determining device to determine a first protocol in use on a first communication pathway and a second protocol in use on a second communication pathway;

a first interface device coupled to the first communication pathway to operate according to the first protocol and to convert signals into the first protocol for transmission on the first communication pathway;

a second interface device coupled to the second communication pathway and the protocol determining device to operate according to the second protocol and to convert signals into the second protocol for transmission on the second communication pathway; and

a data structure device coupled to the first and second interface devices to exchange signals with the first and second interface devices.

38. (new) The communications device of claim 37 wherein a telephony network operates on the first communication pathway and a data network operates on the second communication pathway.

39. (new) The communications device of claim 38 wherein the telephony network is a PBX network and the data network is an Internet Protocol (IP) network.

40. (new) The communications device of claim 35 wherein the data structure device is a storage device in a processor.

41. (new) The communications device of claim 35 wherein the first interface device is configured to specific voltage, impedance, and reception/transmission parameters required by the first protocol.

42. (new) The communications device of claim 35 wherein the second interface device is configured to specific voltage, impedance, and reception/transmission parameters required by the second protocol.

43. (new) The communications device of claim 35 wherein the first and second interface devices are compatible with a plurality of protocols.

44. (new) The communications device of claim 35 wherein the protocol determining device applies algorithms against a signal carried by the first communication pathway, compares a result of the applied algorithms against the plurality of protocols, and selects the first protocol based on comparing the result against the plurality of protocols.

45. (new) The communications device of claim 35 wherein the protocol determining device applies algorithms against a signal carried by the second communication pathway, compares a result of the applied algorithms against the plurality of protocols, and selects the second protocol based on comparing the result against the plurality of protocols.